



## Percent Word Problems

1. Bob made a fresh pot of coffee in the morning. By 10:00 am only 3 cups remained. If 85% of the coffee had been consumed, how many cups of coffee did Bob make in total?
2. A restaurant paid \$112 for a piece of equipment after having been given a 20% discount. What was the original price of the equipment?
3. You are serving a dinner party for 25 guests. Each guest will receive a whole quail. If only 16 guests show, what percent of the quail will be left over?
4. Mr. Smith purchased \$125 worth of merchandise but only paid \$95. What percent discount did he receive?
5. A jar of pickles contains 12 pickles. Tom eats 25% of the pickles. How many pickles are left in the jar?
6. You had 379 toothpicks. You used 28% of them for a dinner party. How many toothpicks do you have left?
7. Ernie's Bakery sells pastries at \$.75 each. A customer purchased 112 pastries, and Ernie gave him an  $8\frac{3}{8}\%$  discount. How much did that customer pay for the pastries he purchased?
8. You have received from a purveyor 2 cases of Darjeeling tea at \$15.75 a case and 40 pounds of coffee at \$5.79 a pound. The purveyor allows 30 days for payment, but if you pay within 10 days, you receive a 3% discount. How much would you save by paying within the 10 days?
9. A chef was making a consommé for an oxtail soup. The recipe made 640 ounces of soup and called for 3% egg whites for clarification. How many ounces of egg whites would be needed for that soup recipe?
10. Your restaurant can seat 150 guests. If 6 tables of 6 are seated, what percent of the restaurant seating is full?
11. Lucy bought a knife set through the school. She paid \$500 after being given a 10% student discount. How much money did Lucy save?
12. A party of 10 comes to the American Bounty Restaurant for lunch. Their total bill is \$180.46. One member of the party has a discount coupon for \$75. If an 18% gratuity is added to the net bill (after the discount), what is the total amount paid by the party?

**Answers:**

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|------------|-----------|-------------|---------|-------------|--------------|
| 1. 20 cups | 2. \$140  | 3. 36%      | 4. 24%  | 5. 9        | 6. 273       |
| 7. \$76.96 | 8. \$7.89 | 9. 19.2 oz. | 10. 24% | 11. \$55.56 | 12. \$124.45 |